

**Patent Claims**

1. An electromotive direct drive for one cylinder (1)  
of a printing press, which cylinder (1) is held in  
5 a connecting construction (3) with a journal (2)  
via a roller bearing (4), a rotor (6.1) of an  
electric motor (6) being connected fixedly in  
terms of rotation to the journal (2), and a stator  
(6.2) being connected to the connecting  
10 construction (3), characterized in that the rotor  
(6.1) is connected to an end side of the roller  
bearing (4), and the stator (6.2) is accommodated  
by a housing (9) which can be fastened to the  
connecting construction (3) via a bearing housing  
15 (5).
2. The direct drive as claimed in claim 1,  
characterized in that the bearing housing (5) is  
held concentrically by an accommodation hole (3.1)  
20 of the connecting construction (3).
3. The direct drive as claimed in claim 1,  
characterized in that, in the radially inward  
direction, the rotor (6.1) covers an end side of  
25 the journal (2) at least partially.
4. The direct drive as claimed in claim 1,  
characterized in that the roller bearing (4) is a  
cylindrical roller bearing, a tapered roller  
30 bearing or an angular contact ball bearing.
5. The direct drive as claimed in claim 1,  
characterized in that an outer raceway of the  
roller bearing (4) is formed by an outer ring  
35 (4.1) or by the bearing housing (5).
6. The direct drive as claimed in claim 5,  
characterized in that the outer raceway of the

roller bearing (4) is offset eccentrically with respect to an axis of the receptacle hole (3.1) of the connecting construction.

- 5    7.    The direct drive as claimed in claim 1,  
characterized in that a measuring apparatus for  
determining the rotational angle of the cylinder  
(1) is arranged on said cylinder (1) for achieving  
10    synchronism with other cylinders of the printing  
press.
8.    The direct drive as claimed in claim 6,  
characterized in that a sensor (13) is arranged in  
the bearing housing (5), which sensor (13) is  
15    operatively connected to an encoded measuring ring  
(14) which is arranged on the journal (2) of the  
cylinder (1), the sensor signals which are  
detected being supplied to a control device for  
adjusting advanced or retarded running.
- 20    9.    The direct drive as claimed in claim 6,  
characterized in that the measuring ring is formed  
as a separate component or by an axial extension  
of an inner ring (4.2) of the roller bearing (4).